

Appl. No. 10/807,099
Amdt. Dated, 24 January 2006
Reply to Final Office Action of 09 Nov 2005

REMARKS/ARGUMENTS

The Final Office Action of 09 November 2005 stated that Claims 1-11 were again rejected under 35 U.S.C. § 103 over Jarikov because Applicants failed to show certain distinguishing features of the invention. Various enumerated informalities were withdrawn in view of the amendments to the specification and claim. Applicant was requested to up-date the reference to the co pending application.

Claims 1-11 are pending. Applicants by this Amendment After-Final have attempted to place the application in condition for allowance. The Advisory Action contends that Jarikov teaches a first and second host.

Applicants acknowledge and thank the Examiner for the acceptance of the amendments and Petition filed 08/ 29/2005. Applicants particularly thank the Examiner for the now successful procedure for correcting the spelling of lead inventors' name. Further, Applicants thank the Examiner for the clarification of the § 103 rejection and suggestions for meeting the rejection which Applicants' Attorney has attempted to meet. Applicants respectfully request an interview preferably face to face, but a video or telephone conference can be arranged at Examiners choice.

Claims 1-11 remain in this application.

Claims 1-11 were finally rejected under 35 U.S.C. § 103(a) as being un-patentable over Jarikov. Jarikov is another published patent application that published after the filing date of Applicants' Application. The filing date of the Jarikov Application was August 5, 2003. Claim 1 d, i) of the Jarikov patent states "the first compound of the mixture is an organic compound that is transporting either electrons or holes or both and is capable of forming both a monomer and an aggregate state and further is capable of an aggregate state either in the ground electronic state or in the excited electronic state." In Claim 88, pg 82, Jarikov cites the anthanthrene derivatives with the claim "the organic light device of claim 1 wherein the first component of the mixture is a benzenoid compound that has the formula (anthranthrene)".

Jarikov teaches the use of anthantherene molecules as the first component of an aggregate used to improve the transport electrons or holes or both. Based on fundamental principals, molecular aggregates will not emit light because of self-quenching. This means that the aggregate will not be luminescent. Applicants contend that Jarikov is not teaching a first and second host in the same manner as described and claimed in the instant application.

In contrast, the light emitting molecules of the instant invention is anthanthrene that is intentionally doped into a host matrix to prevent aggregation. Further, the individual substituents, R, of the instant invention are designed to further reduce aggregation. Jarikov does not teach the use of anthanthrene derivatives as the light emitting component of an organic light emitting device which is

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the teaching and claim of the instant application. Further, Jarikov does not teach the use of the anthanthrene derivatives for use in a EL device as a non-aggregate compound. The examples in Jarikov do not teach or claim the use of the cited compounds as the light emitting component of an organic light emitting device. Applicant has now amended Claim 1, and hence all dependant claims, to recite " a luminescent layer doped with a compound...". This should limit the invention to those where the organic luminescent material is used in and amount that dopes the layer without quenching its luminescent properties as taught in the prior art.

Specific support for the doping limitation is taught through out the application such as Page 8 line 7 & 11; Page 13, line 3, Page 22, line 1 & 14; and Page 26, line 4 as examples. The rejection of Claims 1-11 should be withdrawn in view of the clarification of the original intent of the invention..

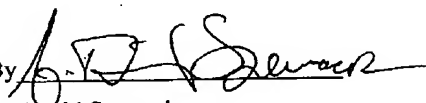
Applicant respectfully requests that a timely Notice of Allowance be issued in this case. The Director is hereby authorized to charge any additional fees or underpayments under 37 C.F.R. § 1.16 & 1.17; and credit any overpayments to Deposit Account No. 19-2201 held in the name of U.S. Army Materiel Command.

Certificate of Transmission under 37 CFR § 1.8

I hereby certify that the above AMENDMENT AFTER FINAL is being facsimile transmitted to Phone No. 571-273-8300 at the United States Patent & Trademark Office on Tuesday, 24 January 2006.

Respectfully submitted,
Intellectual Property Counsel
U.S. Army Research Laboratory

By



A. David Spevack
Reg. No. 24,743
Tel.: 301-394-1714
FAX: 301-394-3972
e-mail: dave.spevack@us.army.mil

ATTN: AMSRD-ARL-0-CC-IP
2800 Powder Mill Road
Adelphi, Maryland 20783-1197